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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/749,159	12/27/2000	Thomas John Eggebraaten	ROC920000230US1	4947
46296	7590	04/06/2006	EXAMINER	
MARTIN & ASSOCIATES, LLC			HO, THOMAS M	
P.O. BOX 548			ART UNIT	
CARTHAGE, MO 64836-0548			PAPER NUMBER	

2134

DATE MAILED: 04/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<p align="center">Office Action Summary</p>	Application No. 09/749,159	Applicant(s) EGGEBRAATEN ET AL.	
	Examiner Thomas M. Ho	Art Unit 2134	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 January 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-3 is/are allowed.
- 6) ☒ Claim(s) 4-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____. | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
6) <input type="checkbox"/> Other: _____. |
|--|---|

DETAILED ACTION

1. Claims 1-12 are pending.
2. Claims 1-3 have been previously allowed. Claims 4-12 are rejected.

Examiner's Comment

3. A search of the prior art conducted on 4/1/06 – 4/2/06 has uncovered prior art which is believed to read upon Applicant's claims. An examination made however, reveals that the newly uncovered art does not read upon the previously allowed claims 1-3. For this reason, claims 1-3 remain allowable.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 4-11, 12 are rejected under 35 U.S.C. 102(b) as being anticipated by US patent, 5935210, Stark.

In reference to claim 4:

Stark (Column 5, lines 60 - Column 6, lines 23) & (Column 3, lines 27-44) discloses a method for a directory service that contains a proxy entry corresponding to an external protected resource to provide authentication and authorization functions to a software application, the method comprising the steps of:

(A) when the software application needs to access the external protected resource, performing the steps of:

(A1) the software application maintaining a resource map to identify a proxy entry that corresponds to the external protected resource, where the software application is the module the user uses to interface his or her queries to the resource map.

(A2) the software application requesting from the directory service access to the proxy entry that corresponds to the external protected resource, where the software application accesses external resources through proxy entries (URLs or icons)

(A3) if the directory service grants access to the proxy entry that corresponds to the external protected resource, the application accesses the external protected resource, where if the user selects the resource to access, the resource is accessed.

In reference to claim 5:

Stark (Figure 8) & (Column 9, lines 4-13, 33-57) & (Column 8, lines 47-57) discloses the method of claim 4 further comprising the steps of:

(A4) if the directory service denies access to the proxy entry that corresponds to the external protected resource, the application does not access the protected resource, where the application module does not access the selected resource if it has been marked as inaccessible.

In reference to claim 6:

Stark (Column 5, lines 60 - Column 6, lines 23) & (Column 3, lines 27-44) discloses a method for a directory service to provide authentication and authorization functions to a software application, the method comprising the steps of:

(A) determining which of a plurality of resources require protection, where the resources which require protection are designated as inaccessible.

(B) creating a proxy entry in the directory service for each protected resource, where the proxy entry is the URL

(C) the software application generating a logical mapping that correlates each protected resource to its corresponding proxy entry, where the software application is the software module the user uses to access the resources through the resource map.

(D) when the software application needs to access a selected protected resource, performing the steps of:

(D1) using the logical mapping to identify a proxy entry that corresponds to the selected protected resource, where the logical mapping is the resource map.

(D2) the software application requesting from the directory service access to the identified proxy entry, where once the user selects a resource through the resource map, the resource is accessed.

(D3) if the directory service grants access to the identified proxy entry, the application accesses the selected protected resource.

In reference to claim 7:

Stark (Figure 8) & (Column 9, lines 4-13, 33-57) & (Column 8, lines 47-57) discloses the method of claim 6 further comprising the step of:

(D4) if the directory service denies access to the proxy entry that corresponds to the selected protected resource, the application does not access the selected protected resource, where the application module does not access the selected resource if it has been marked as inaccessible.

In reference to claim 8:

Stark (Column 5, lines 60 - Column 6, lines 23) & (Column 3, lines 27-44) discloses a program product comprising:

(A) a software application that maintains a logical mapping that correlates a plurality of protected resources that are not stored or contained within the directory with corresponding proxy entries in a directory service that is managed by a directory service server, the application determining whether the application is authorized to access a selected protected resource by invoking authentication and authorization functions in the directory service server to determine whether the proxy entry corresponding to the selected resource may be accessed, and if so, the application accesses the selected protected resource, where the software application maintains a resource map, where the plurality of protected resources, are the resources of the resource map of Stark, and where

if a user chooses to access one of the resources through the map, the resource is thereby accessed.

(B) computer-readable signal bearing media bearing the software application. Stark
(Column 10, lines 13-42)

In reference to claim 9:

Stark (Column 10, lines 13-42) discloses the program product of claim 8 wherein the signal bearing media comprises recordable media.

In reference to claim 10:

Stark (Column 10, lines 13-42) discloses the program product of claim 8 wherein the signal bearing media comprises transmission media.

In reference to claim 12:

Stark (Figure 8) & (Column 9, lines 4-13, 33-57) & (Column 8, lines 47-57) discloses the program product of claim 8 wherein the application does not access the selected protected resource if the proxy entry corresponding to the selected resource cannot be accessed, where the application module does not access the selected resource if it has been marked as inaccessible.

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6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Stark.

In reference to claim 11:

The program product of claim 8 wherein the directory service server is a Lightweight Directory Access Protocol (LDAP), and wherein the directory is an LDAP directory.

The Examiner takes official notice that LDAP was well known to those of ordinary skill in the art at the time of invention. Examples of the disclosure include the wikipedia, and the previously cited art in the prosecution of the application: "Understanding LDAP"

Lightweight Directory Access Protocol

From Wikipedia, the free encyclopedia

(Redirected from LDAP)

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<u>Internet protocol suite</u>	
Layer	Protocols
<u>Application</u>	<u>DNS</u> , <u>TLS/SSL</u> , <u>TFTP</u> , <u>FTP</u> , <u>HTTP</u> , <u>IMAP</u> , <u>IRC</u> , <u>NNTP</u> , <u>POP3</u> , <u>SIP</u> , <u>SMTP</u> , <u>SNMP</u> , <u>SSH</u> , <u>TELNET</u> , <u>BitTorrent</u> , <u>RTP</u> , <u>rlogin</u> , <u>ENRP</u> , ...
<u>Transport</u>	TCP UDP DCCP SCTP II RIUDP

	...
<u>Network</u>	<u>IP</u> (<u>IPv4</u> , <u>IPv6</u>), <u>ICMP</u> , <u>IGMP</u> , <u>ARP</u> , <u>RARP</u> , ...
<u>Link</u>	<u>Ethernet</u> , <u>Wi-Fi</u> , <u>Token ring</u> , <u>PPP</u> , <u>SLIP</u> , <u>FDDI</u> , <u>ATM</u> , <u>Frame Relay</u> , <u>SMDS</u> , ...

In computer networking, the **Lightweight Directory Access Protocol**, or **LDAP**, is a networking protocol for querying and modifying directory services running over TCP/IP. An LDAP directory usually follows the X.500 model: It is a tree of entries, each of which consists of a set of named attributes with values. While some services use a more complicated "forest" model, the vast majority use a simple starting point for their database organization.

An LDAP directory often reflects various political, geographic, and/or organizational boundaries, depending on the model chosen. LDAP deployments today tend to use Domain Name System (DNS) names for structuring the most simple levels of the hierarchy. Further into the directory might appear entries representing people, organizational units, printers, documents, groups of people or anything else which represents a given tree entry, or multiple entries.

Its current version is LDAPv3, as defined in RFC 3377.

Other data models

As LDAP has gained momentum, vendors have provided it as an access protocol to other services. The implementation then recasts the data to mimic the LDAP/X.500 model, but how closely this model is followed varies. For example, there is software to access SQL databases through LDAP, even though LDAP does not readily lend itself to this. X.500 servers may support LDAP as well.

Similarly, data which were previously held in other types of data stores are sometimes moved to LDAP directories. For example, Unix user and group information can be

stored in LDAP and accessed via PAM and NSS modules. LDAP is often used by other services for authentication.

It would have been obvious to one of ordinary skill in the art at the time of invention to have the directory service server to have separate utility an LDAP server to allow the users of stark to access the resources through an additional LDAP interface.

Conclusion

8. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of the final action and the advisory action is not mailed under after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension pursuant to 37 CFR 1.136(A) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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9. Any inquiry concerning this communication from the examiner should be directed to Thomas M Ho whose telephone number is (571)272-3835. The examiner can normally be reached on M-F from 9:30 AM - 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory A. Morse can be reached on (571)272-3838.

The Examiner may also be reached through email through Thomas.Ho6@uspto.gov

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571)272-2100.

General Information/Receptionist Telephone: 571-272-2100 Fax: 571-273-8300

Customer Service Representative Telephone: 571-272-2100 Fax: 571-273-8300

TMH

April 2nd, 2006

Gregory A. Morse
Gregory A. Morse
Supervisor
Art Unit 2134